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Title:
Perfect score:
Sequence:
                                                                                                             Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                              Database :
                                                                                                                                                                                      Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                      Searched:
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PIR_66:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*
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Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                              US-09-331-631A-5_COPY_33_75
248
1 NQEDPQTECQQCQRRCRQQE.....RQQQYCQRRCKEICEEEEEY 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                    March 1, 2001, 15:52:36 ; Search time 170.72 Seconds (without alignments) 17.102 Million cell updates/sec
                                                                                                                                                                                                                                                                                    195891 segs, 67900655 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
                                                                                                                                                                                                                                                 195891
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	80	7	6	S	4	ω	2		NO.	Result	
65	65.5	66	66.5	66.5	66.5	67.5	68	68.5	71	71.5	71.5	72.5	73	73.5	74	74	75	75	75.5	77	77	78.5	•	94	96	104	105	110	Score		
26.2	26.4	26.6	5	9	6	7	7.	7.	æ	8	8	9	9.	9.	9	9	0	0.	0	۲.	۳.	٠,		7.	8	۲.	42.3	44.4	Match		фÞ
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T18450	A41822	T20452	T30136	S35221	T20930	T27686	T27967	S31574	JC5557	T31561	T31560	T31559	T25169	T44430	T31898	T31889	T31888	T31887	T29699	T23681	T29880	T18593	T18592	S06398	T29475	S08059	FWCNAB	S22477	ID		
hypothetical prote	\vdash		cal	g 1	_	_		hypothetical prote	Ľ,	-			0	00	•		-				-			•	hypothetical prote	tу		curso	Description		

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RESULT FWCNAB alpha-globulin B precursor (clone C72 N;Alternate names: seed storage prote C;Species: Gossyplum hirsutum (upland C;Date: 30-Sep-1991 #sequence_revisio C;Accession: A30838; S06911 R;Chlan, C.A.: Pyle, J.B.; Legocki, A Plant Mol. Biol. 7, 475-489, 1986 A;Title: Developmental biochemistry o A;Reference number: A30838 A;Accession: A30838 A;Molecule type: mRNA A;Residues: 1-588 <chld. 201="" a;cross="" a;experimental="" borroto,="" c.a.;="" coker="" gb:m16891;="" k.;="" kamalay,<="" nid:gl-="" r;chlan,="" references:="" source:="" td="" var.=""><td>Query Matches Matches Qy Db 78</td><td>RESULT 1 S22477 vicilin precursor - cacao C;Species: Theobroma cacao (cacao) C;Date: 30-Sep-1993 #sequence_revision C;Accession: S22477; S22478; S18105; S2 R;McHenry, L.; Fritz, p.J. Plant Mol. Biol. 18, 1173-1176, 1992 A;Title: Comparison of the structure an A;Reference number: S22477; MUID:922883 A;Accession: S22477 A;Molecule type: DNA A;Residues: 1-566 <mch- 1-452="" <mc2="" a;accession:="" a;cross-references:="" a;rocession:="" c;genetics:="" embl:x62625="" embl:x62626="" s22478=""> A;Cross-references: EMBL:X62626 C;Genetics: 211/1; 269/3; 296/3; 391/3; C;Superfamily: 91ycinin C;Keywords: seed; storage protein F;1-24/Domain: signal sequence #status F;25-566/Product: vicilin #status predi</mch-></td><td>4444433333333 5443210</td></chld.>	Query Matches Matches Qy Db 78	RESULT 1 S22477 vicilin precursor - cacao C;Species: Theobroma cacao (cacao) C;Date: 30-Sep-1993 #sequence_revision C;Accession: S22477; S22478; S18105; S2 R;McHenry, L.; Fritz, p.J. Plant Mol. Biol. 18, 1173-1176, 1992 A;Title: Comparison of the structure an A;Reference number: S22477; MUID:922883 A;Accession: S22477 A;Molecule type: DNA A;Residues: 1-566 <mch- 1-452="" <mc2="" a;accession:="" a;cross-references:="" a;rocession:="" c;genetics:="" embl:x62625="" embl:x62626="" s22478=""> A;Cross-references: EMBL:X62626 C;Genetics: 211/1; 269/3; 296/3; 391/3; C;Superfamily: 91ycinin C;Keywords: seed; storage protein F;1-24/Domain: signal sequence #status F;25-566/Product: vicilin #status predi</mch->	4444433333333 5443210
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ecursor (cl seed storag m hirsutum #sequence_ ; 506911 , J.B.; Leg 475-489, 1 tal blochem A30838 NA CHL> GB:M16891; GB:M16891; ce: var. Co	44 47 rvative RRCRQQE: :: : GRCQEQQI	cacao (cacao (#sequenc \$22478; p.J. 1173-11 of the s \$22477; CH> C2> CBMBL:X62 EMBL:X62 PMBL:X62 AC2 C2> C3> C3> C3> C3> C3> C3> C3> C3> C3> C3	910 911 919 1306 6488 51 1390 1969 4957 5262 223 429 223 429 285 1038
(clone rage pum (um (up ce_rev Legock , 1986 hemist NI) 91; NII 91; NII Kamali	.4%; .5%; e e ESDP :	caca e_re S18 76, ttruc MUII MUII 625 625 626 73;	221212222211222
) - upland cottin; vicilin precotton) n 30-Sep-1991 # .B.; Dure III, f cottonseed em 67374; PIDN:AAA	Score 110; DB 2; Pred. NO. 0.00028; 10; Mismatches 11; RROQQYCQRRCKETCEEEE 41 : : : REQQQCQRKCWEQYKEQE 11	30-sep-1993 # 2050 d nucleotide 09 502/1 predicted <si <mat="" cted=""></si>	A34721 B34721 B347721 A39248 T13592 JQ1150 S03987 T14004 T13454 T03455 T03455 T03455 T03454 T03454 ALIGNMENTS
precursor #text_change 16-Jul-1999 L. L. embryogenesis and germination XVIII embryogenesis and ger	Length 566; Indels 0; Gaps 0;	text_change 17-Mar-1999 sequence of vicilin genes of coco	androgen receptor androgen receptor androgen receptor hypothetical prote protamine - mouse protamine - mouse protamine l - rat trfA protein - sli histidine kinase h ALR protein - huma ALR protein - huma alpha-s2-casein pr apolipoprotein homolo protein kinase - s

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A; Map position: 2
A; Introns: 25/3; 304/3
C; Superfamily: gliadin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Plant Mol. Biol. 9, 533-546, 1987
A;Title: Developmental biochemistry of cottonseed embryogenesis and germination. XIX.
A;Reference number: S06398
A;Accession: S08059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        alpha-globulin type B precursor (tandem 1) - upland cotton (fragment) N;Alternate names: seed storage protein C;Species: Gossypium hirsutum (upland cotton) C;Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 30-Sep-1993 C;Accession: S08059 R;Chlan, C.A.; Borroto, K.; Kamalay, J.A.; Dure III, L. Plant Mol. Biol. 9, 533-546, 1987
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C:Superfamily: glycinin
(:Keywords: glycoprotein; seed; storage protein
F:1-25/Domain: signal sequence #status predicted <SIG>
F:26-588/Product: alpha-globulin storage proprotein #status predicted
F:417/Binding site: carbohydrate (Asn) (covalent) #status predicted
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A; Residues: 1-81 <CH2>
C; Comment: This is a seed storage protein
                                                                                 C; Genetics:
                                                                                                      A;Cross-references: EMBL:U80455; PIDN:AAB37887.1; GSPDB:GN00020; A;Experimental source: strain Bristol N2; clone T01D1
                                                                                                                                               A; Molecule type: DNA
A; Residues: 1-411 <BRA>
                                                                                                                                                                                                           A; Reference number: Z20623
A; Accession: T29475
                                                                                                                                                                                                                                                    submitted to the EMBL Data Library, November 1996 A; Description: The sequence of C. elegans cosmid T01D1
                                                                                                                                                                                                                                                                                             C;Accession: T29475
R;Bradshaw, H.; Wohldmann, P.
                                                                                                                                                                                                                                                                                                                                 hypothetical protein T01D1.6 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change
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A; Residues: 1-509 < CHL>
C; Superfamily: glycinin
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A; Accession: S06911
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A;Title: Developmental biochemistry of cottonseed embryogenesis and germination. XIX.
                                                                A;Gene:
                                                                                                                                                                                    A;Status: preliminary; translated from GB/EMBL/DDBJ
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Pred. No. 0.00093;
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A; Introns: 18/3
C; Superfamily:
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T18592
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C:Species: Gossypium hirsutum (upland cotton)
C:Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 30-Sep-1993
C:Accession: S06398
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A; Residues: 1-425 <WIL>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hypothetical protein AC3.3 - Caenorhabditis elegans
c;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 18-Feb-2000
C;Accession: T18592
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F;1-24/Domain: signal sequence #status predicted <SIG>
F;25-605/Product: alpha-globulin type A #status predicted <MAT>
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A; Residues: 1-605 < CHL>
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A; Accession: S06398
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Plant Mol. Pla
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Cross-references: EMBL:Z71177; PIDN:CAA94867.1; GSPDB:GN00023; CESP:AC3.3
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315 Q 315
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                                                                                                                                                                                                                                                                                                                                                    31.7%;
27.9%;
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                                                                                                                                                                                                                                                                                                               Score 78.5; I
Pred. No. 0.36
9; Mismatches
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Pred. No. 0.0059;
1; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 94; L
Pred. No. 0.
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                                                                                                                                                                                                                                                                                                                                                            . 36;
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hypothetical protein M0269.1 - Caenorhabditis elegans C;Speciles: Caenorhabditis elegans C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999 C;Accession: T23681 R;Matthews, L.
                                                                                                                                                                                                                                                                                                                                                                                        A:Status: preliminary; translated from GB/EMBL/DDBJ
A:Molecule type: DNA
A:Residues: 1-572 <NIA>
A:Residues: 1-572 <NIA>
A:Cross-references: EMBL:U51997; PIDN:AAC48159.1; GSPDB:GN00028; CESP:F19G12.7
A:Experimental source: strain Bristol N2; clone F19G12
C:Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    hypothetical protein F19G12.7 - Caenorhabditis elegans
(;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 18-Feb-2000
C;Accession: T29880
R;Nhan, M.; Le, T.T.
submitted to the EMBL Data Library, April 1996
A;Description: The sequence of C. elegans cosmid F19G12.
A;Reference number: Z20704
                                                                                                                                                                                                                          Query Match
Best Local Similarity
~~~hes 17; Conserv
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A;Map position: X
A;Introns: 18/3
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A; Introns: 292/2; 374/3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Molecule type: DNA
A; Residues: 1-600 <WIL>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        submitted to the EMBL Data Library, A; Reference number: Z18995 A; Accession: T18593
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C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999
C;Accession: T18593
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T18593
                                                                                               T23681
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Gene: CESP: AC3.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Status: preliminary; translated
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Best Local :
                                                                                                                                                                      381
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nes 17; Conserv
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                                                                                                                                                                                                       ECQQCQRRCRQ---
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27.98;
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Pred.
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                                                                                                                                                                                        -QESDPRQQQYCQRRCKE---
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No.
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0.64;
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R;Greco, T.; Bradshaw, H.; Elliott, G.
submitted to the EMBL Data Library, July 1997
A;Description: The sequence of C. elegans cosmid CO3A7
                                                                                                                                                                                                                                                                                   hypothetical protein C03A7.4 - Caenorhabditis elegans C:Species: Caenorhabditis elegans C:Coenorhabditis elegans C:Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #t
                                       A;Cross-references: EMBL:AF016451; PIDN:AAB66001.1; GSPDB:GN00023; CESP:C03A7.4 A;Experimental source: strain Bristol N2; clone C03A7
                                                                                   A;Status: preliminary; translated A;Molecule type: DNA A;Residues: 1-388 <GRE>
                                                                                                                                                  A; Description: The sequence
A; Reference number: 221096
A; Accession: T31887
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A;Introns: 18/3; 160/3
C;Superfamily: ultra-high-sulfur keratin
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R:Murray, J.; Le, T.T.

R:Murray, J.; Le, T.T.

Submitted to the EMBL Data Library, May 1996

Submitted to the EMBL Data Library, May 1996

A:Reference number: Z20667
A; Gene: CESP: C03A7.4
                                                                                                                                                                                                                                                                  C; Accession:
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A;Reference number: 219781
A;Accession: T23681
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A;Experimental source: strain Bristol N2; clone F31A3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Status: preliminary; translated from GB/EMBL/DDBJA;Molecule type: DNA
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R; Murray, J.; Le, T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hypothetical protein F31A3.1 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 17-Mar-2000
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A:Introns: 23/3; 71/3; 121/3; 183/1; 1083/3; 1141/3; 1408/1; 1449/1
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A; Cross-references: EMBL: Z81573; PIDN: CAB04625.1; GSPDB: GN00020; CESP: M02G9.1
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Matches
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Best Local
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nes 17; Conserv
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17; Conser
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43.6%;
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Pred. No.
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1.3;
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A; Introns: 75/3
C; Superfamily:
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C;Species: Caenorhabditis elegans
C;Decies: Cenorhabditis elegans
C;Date: 29-Oct.1999 #sequence_revision 29-Oct.1999 #text_change 18-Feb-2000
C;Accession: T31889
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T31888
                                                                                                                                                                             C; Genetics:
                                                                                                                                                                                            A;Cross-references: EMBL:AF016451; PIDN:AAB65995.1; GSPDB:GN00023; CESP:C03A7.8
A;Experimental source: strain Bristol N2; clone C03A7
                                                                                                                                                                                                                                                       A;Status: preliminary; translated from GB/EMBL/DDBJA;Molecule type: DNA
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A; Introns: 75/3
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R;Greco, T.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hypothetical protein C03A7.7 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 29-Oct_1999 #sequence_revision 29-Oct-1999 #text_change 21-Jan-2000
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A; Introns: 75/3
C; Superfamily: gliadin
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A; Residues: 1-388 <GRE>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Cross references: EMBL: AF016451; PIDN: AAB65996.1; GSPDB: GN00023; CESP: C03A7.7
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Best Local Similarity
Matches 15; Conserv
  Matches
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                  Local Similarity
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  13;
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                                                                                              gliadin
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  Conservative
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37.5%;
                    29.8%;
30.2%;
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37.5%;
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; Pred. No. 0.77
7; Mismatches
  12;
                  Score 74; L
Pred. No. 1.
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Pred. No. 0.77;
  Mismatches
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0.77;
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Job time: 561 sec

March

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2001, 15:52:37

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R:Yamada, K.; Shimada, T.; Kondo, M.; Nishimura, M.; Hara-Nishimura, I.
J. Biol. Chem. 274, 2563-2570, 1999
A:Title: Multiple functional proteins are produced by cleaving Asn-Gln bonds of a A:Reference number: Z22767; MUID:99107919
A:Accession: T44430
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R;Greco, T.; Bradshaw, H.; Elliott, G.
submitted to the EMBL Data Library, July 1997
A;Description: The sequence of C. elegans cosmid C03A7
A;Reference number: Z21096
    B
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A; Residues: 1-810 < YAM>
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C;Species: Cucurbita maxima (winter squash)
C;Date: 21-Jan-2000 #sequence_revision 21-J
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A; Introns: 18/3; 75/3
C; Superfamily: gliadin
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A;Molecule type: DNA
A;Residues: 1-445 <GRE>
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Best Local Similarity
Matches 15; Conser
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                                         1 NOE-DPQTECQQCQRRCRQQESDPRQQQYCQRRCKEICEEEEE 42
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NQRGSPRAEYEVCRLRCQVAERGVEQQRKCEQVCEERLREREQ
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                                                                                                       29.6%;
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                                                                                  Score 73.5; D
Pred. No. 1.9;
9; Mismatches
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